

REMARKS

This is a Preliminary Amendment to the above-identified application and is concurrently filed with a Request For Continuing Examination (RCE). With this Preliminary Amendment, claim 5 is amended and is new claims 10-12 are added. All pending claims 5, 8 and 10-12 are presented for consideration and favorable action.

Applicant would like to express its gratitude for the opportunity to discuss the instant application with the Examiner on October 8, 2002. During that Interview, the differences between the present invention and the prior art were discussed.

Amended independent claim 5 includes an electrical insulator which separates the rotor from the coil. The electrical insulator is arranged such that the insulator contacts the rotor when the coil expands during operation of the motor. This is not shown in the Juan reference, U.S. Patent No. 5,239,221. The insulator 131 of Juan would not contact the rotor 4 because the pole portions 17 and 27 separate the insulator 131 from the rotor 4. Therefore, the rejection may be withdrawn.

Independent claim 5 further states that the electrical insulator prevents contact between the rotor and the coil. This also is not shown by Juan. The arrangement of the insulator in Juan is not one such that it would prevent contact between the coil and the rotor. The insulator of Juan is arranged to prevent contact between the coil and the pole portions. For this additional reason the rejection may be withdrawn.

The dependent claims also set forth configurations which, in conjunction with the independent claim, are not shown or suggested.

In view of the above amendments and remarks, it is believed that the present application is in condition for allowance. Consideration and favorable action are respectfully requested.

The Director is authorized to charge any fee deficiency

required by this paper or credit any overpayment to deposit account
No. 23-1123.

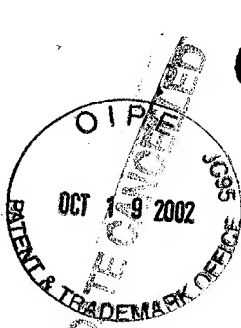
Respectfully submitted,

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MARKED-UP VERSION OF REPLACEMENT CLAIMS

5. (Twice Amended) A motor comprising:

a stator having an iron core;

a rotor disposed in the stator;

a coil ~~would~~wound around the iron core of the stator; and

~~an insulating apparatus separating the rotor from the coil,
the insulating apparatus preventing contact between the coil and
the rotor when the coil expands during operation of the motor,~~

~~wherein the insulating apparatus comprises:~~

~~an insulator having a cylindrical shape and being~~

~~disposed directly between the inner portion of the
coil and the rotor; and~~

~~a yarn securing the insulator to the coil~~

an electrical insulator separating the rotor from the

coil and arranged such that the insulator contacts

the rotor when the coil expands during operation of

the motor to thereby prevent contact between the

rotor and the coil.

10. (New) The motor as claimed in claim 5 including a yarn to
secure the insulator to the coil.

11. (New) The motor as claimed in claim 10 wherein the yarn
comprises polyester.

12. (New) The motor as claimed in claim 5 wherein the insulator
comprises a unitary cylindrical insulator.